

Date:

Grade 7: Math
1.7: Decimal Division

Dividing decimals:

1. Count the number of decimal places of the number you are dividing by.
[Usually the number written on the left].
2. Move the decimal point of the number being divided to the left by the number in step 1.
3. Long divide as usual.

Examples:

a) $4.32 \div 0.002$

b) $128.2 \div 0.08$

$$\begin{array}{r} 0.002 \overline{) 4.32} \end{array}$$

$$\begin{array}{r} 0.08 \overline{) 128.2} \end{array}$$

Evaluate:

a. $12.3 \div 0.0003$

d. $0.000064 \div 0.008$

g. $2.7 \div 0.0003$

b. $3 \div 0.6$

e. $1.51515 \div 0.151515$

h. $5.2 \div 0.5$

c. $23 \div 0.00023$

f. $0.0008 \div 8$

i. $100 \div 0.0002$

- Word Problems

1. Katie has a 2.5 litre orange juice bottle. She wishes to empty the bottle into smaller 0.05 litre bottles. How many bottles will Katie need to empty her juice bottle.
2. Sofia has is decorating a notice board with stamps. Each stamp takes up 1.2 cm^2 of area. If the area of the board is 500.1 cm^2 , how many stamps will fit on the notice board.
3. Ms. Philip has 2.45 hours to mark tests. If she marks one test in 0.5 hour, how many tests can Ms. Philip mark?
4. If Sofia has \$50 and each stamp costs 5 cents, how many stamps can she buy?
5. Miranda has \$25.50 Second Cup gift card. Her favorite coffee at Second Cup is the Mint Chocolate Latte which costs \$2.50 per cup. If she drinks one cup of coffee everyday, how long will it take her to use up her gift card.
6. Sofia has a 3.7 litre milk container. She wants to pour milk from her container into tiny cups. If each cup has 0.05 litres of milk, how many cups has she used?

- Homework: Textbook page 151 #1-4, 6a, 11, 12

- Answers:

- Evaluate:

a. 41000

d. 0.008

g. 9000

b. 5

e. 10

h. 10.4

c. 100000

f. 0.0001

i. 500000

- Word Problems:

1. 50 bottles

2. 416.75 stamps

3. 4.9 tests

4. 1000 stamps

5. 10.2 days

6. 74 cups